

APPENDIX I
CASE STUDIES

1. Female; Age 52

Patient had a severe case of sun damaged and aged skin. Pomegranate extract and ceramide was topically applied to the face with no significant change and treatment was discontinued. Upon discontinuation of treatment with pomegranate extract and ceramide, the patient was treated with the combination of pomegranate extract, ceramide (a hydrophobic moisturizing agent), sodium peroxylinecarbolic acid (sodium PCA) (a hydrophilic moisturizing agent), hyaluronic acid (a hydrophilic moisturizing agent), and glycolic acid (a mono- or poly-hydroxy acid). This combination resulted in improved elasticity of the patients skin, a reduction in wrinkles, and led to tighter and smoother facial skin.

2. Group of 5 individuals; ranging in age from 20 to 40

A mask containing an extract of pomegranate and ceramide (a hydrophobic moisturizing agent) was applied to the faces of five (5) individuals between the ages of 20 and 40. After 10 minutes the mask was removed by washing and the faces of the individuals examined. At another time, a mask containing a combination of pomegranate extract, ceramide (a hydrophobic moisturizing agent), hyaluronic acid (a hydrophilic moisturizing agent), and glycolic acid (a mono- or poly-hydroxy acid) was applied to the face of the same five individuals. Again the mask was washed off after 10 minutes and the faces of the individuals examined. The face of the individuals after treatment with the combination of pomegranate extract, ceramide, hyaluronic acid, and glycolic acid showed superior skin appearance, skin tone, elasticity, and pigmentation compared to their faces after treatment with only pomegranate and ceramide.

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